Apollo Dental Products by MIDMARK®

Installation Instructions

Fresh Air Intake Kit

Single Head **ACA-85370**	Twin Head **ACA-85375**
Triple Head **ACA-85380**	Quad Head **ACA-85390**

Description:

Apollo Dental Products' Fresh Air Intake Kit(s) allow for clean fresh air to be piped directly into the air compressor intake(s) from a source outside of the equipment room. Any infectious gasses or contaminates present in the equipment room are restricted from entering the air system.

Each kit contains an air intake manifold and all the necessary adapter fittings and interconnect tubing to the compressor(s) intake muffler.

CAUTION: Remote fresh air intake air temperature must not exceed compressor room air temperature by more than 20 degrees Fahrenheit or moisture will condense in the intake air line and enter the compressor. In that instance, we recommend routing the intake to a source inside the building away from the compressor room.

Installation:

1. Switch compressor to the **"OFF"** position.
2. Using the provided 3/16" wall anchors, mount the Fresh Air Intake Manifold within 3 feet of the compressor suction intake(s).

   NOTE: Refer to Figures 1-4 for a pictorial for your specific installations.
3. Run the 1 1/2" or 2" PVC pipe to an appropriate air source.
4. Run the provided 1/2" hose(s) from the compressor intake mufflers to the Fresh Air Intake manifold.

   NOTE: For Oil-less Models see figures 5 and 6 for Fresh Air Intake connections.
5. Switch compressor to the **"ON"** position and check pump-up times using the appropriate chart in the installation manual.

   NOTE: Please test complete system for leaks.

Maintenance:

Dirty intake filter(s) decreases the efficiency of the compressor. The filter(s) should be replaced once a year. Apollo Dental Products' Replacement Filter part number is ACP90500.

Warranty Information: • 90 Days

All ADP accessories are thoroughly inspected and tested in accordance with rigid specifications and standards. Our accessories are guaranteed against any defective material and workmanship from the date of shipment; provided that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for accessories without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cove damage resulting form improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.

FIGURE 1: ACA85370 (Single Head Compressors)

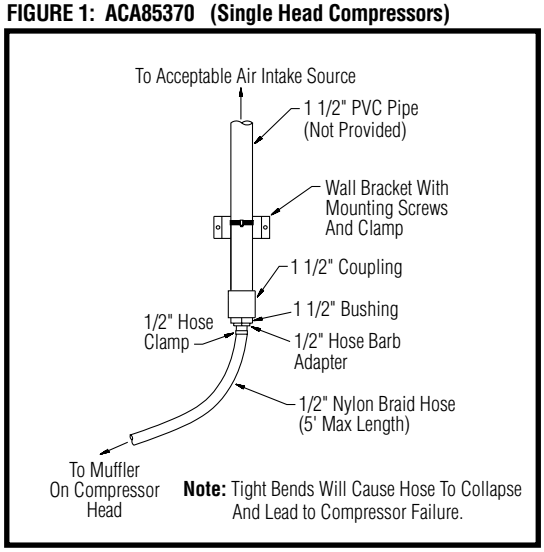
To Acceptable Air Intake Source
1 1/2" PVC Pipe (Not Provided)
Wall Bracket With Mounting Screws And Clamp
1 1/2" Coupling
1 1/2" Bushing
1/2" Hose Clamp
1/2" Hose Barb Adapter
1/2" Nylon Braid Hose (5' Max Length)
To Muffler On Compressor Head
Note: Tight Bends Will Cause Hose To Collapse And Lead to Compressor Failure.

FIGURE 2: ACA85375 (Twin Head Compressors)

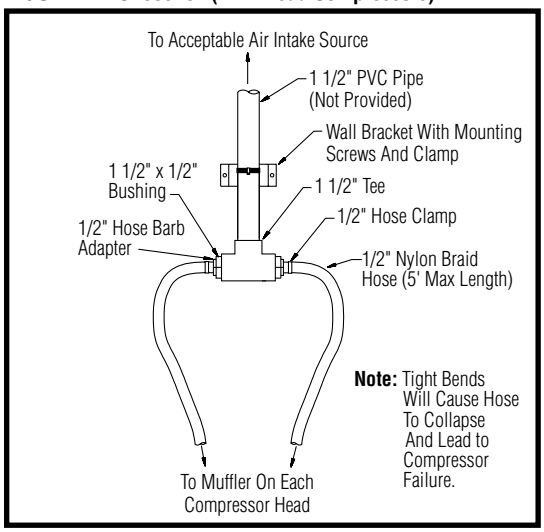
To Acceptable Air Intake Source
1 1/2" PVC Pipe (Not Provided)
Wall Bracket With Mounting Screws And Clamp
1 1/2" x 1/2" Bushing
1 1/2" Tee
1/2" Hose Clamp
1/2" Hose Barb Adapter
1/2" Nylon Braid Hose (5' Max Length)
Note: Tight Bends Will Cause Hose To Collapse And Lead to Compressor Failure.
To Muffler On Each Compressor Head

FIGURE 3: ACA85380 (Triple Head Compressors)

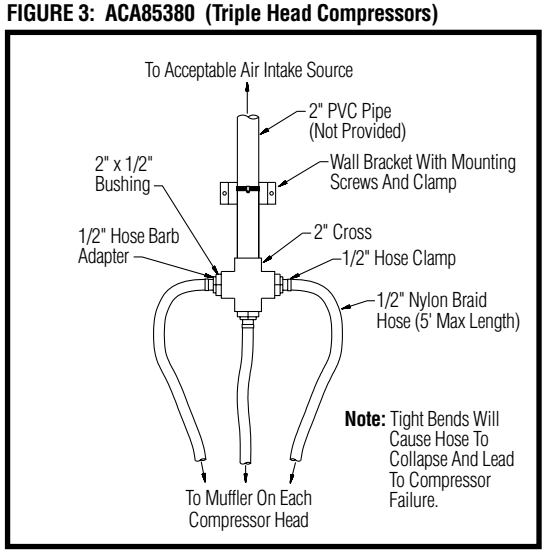
To Acceptable Air Intake Source
2" PVC Pipe (Not Provided)
2" x 1/2" Bushing
Wall Bracket With Mounting Screws And Clamp
1/2" Hose Barb Adapter
2" Cross
1/2" Hose Clamp
1/2" Nylon Braid Hose (5' Max Length)
Note: Tight Bends Will Cause Hose To Collapse And Lead To Compressor Failure.
To Muffler On Each Compressor Head

FIGURE 4: ACA85390 (Model QL82(D) Only)

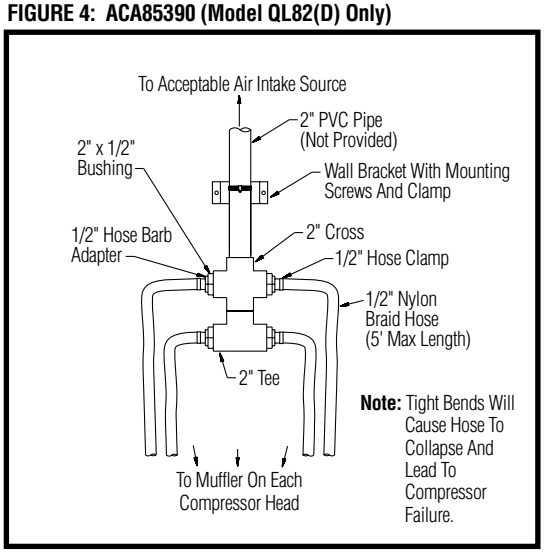
To Acceptable Air Intake Source
2" PVC Pipe (Not Provided)
2" x 1/2" Bushing
Wall Bracket With Mounting Screws And Clamp
1/2" Hose Barb Adapter
2" Cross
1/2" Hose Clamp
1/2" Nylon Braid Hose (5' Max Length)
2" Tee
Note: Tight Bends Will Cause Hose To Collapse And Lead To Compressor Failure.
To Muffler On Each Compressor Head

FIGURE 5: 2 Cylinder Oil-Less Motors

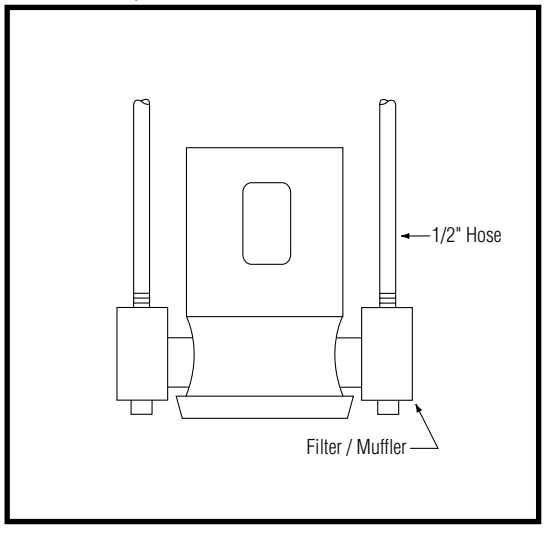

FIGURE 6: 4 Cylinder Oil-Less Motors